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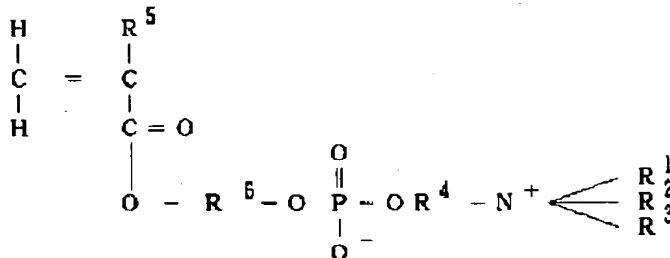
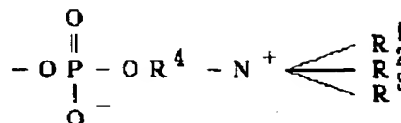
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INVENTOR : ISHIHARA KAZUHIKO;

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TITLE : DETERGENT AND DETERGENT
COMPOSITION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a detergent excellent in detergency, and low in skin irritation by including a polymer which has a specific group as a side chain, as an active ingredient.

SOLUTION: This detergent comprises (A) a polymer which has a group of formula I (R¹ to R³ are each H, a 1-8C alkyl; R⁴ is a 2-4C alkylene) as a side chain. The component A is preferably a polymer obtained by polymerizing (i) 100-20 wt.% monomer having a polymerizable double bond and the group of formula I as the side chain in one molecule [e.g. 2-(meth)acryloyloxyethyl-2'-(trimethylammonio)ethyl phosphate], and (ii) 0-80 wt.% monomer, preferably butyl (meth)acrylate or 2-ethylhexyl (meth)acrylate. The component (i) is preferably the monomer of a (meth)acrylic acid derivative of formula II [R⁵ is H or methyl; R⁶ is (GO)mG [G is a 1-12C divalent hydrocarbon; (m) is an average number of addition mols of an oxyalkylene and is 0-10].

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